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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Graeme Semple, et al.                      Art Unit : Unknown  
Serial No. : 10/560,332                                      Examiner : Unknown  
Filed : December 9, 2005                                      Conf. No. : 9629  
Title : 5-SUBSTITUTED 2H-PYRAZOLE-3-CARBOXYLIC ACID DERIVATIVES AS  
AGONISTS FOR THE NICOTINIC ACID RECEPTOR RUP25 FOR THE  
TREATMENT OF DYSLIPIDEMIA AND RELATED DISEASES

**MAIL STOP AMENDMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Applicants request consideration of the references listed on the attached PTO-1449 form. Under 37 C.F.R. § 1.98 (a)(2)(ii), only copies of foreign patent documents and/or non-patent literature are enclosed. Copies of any listed U.S. patents or U.S. patent application publications can be provided upon request. A copy of a communication from a foreign patent office in a counterpart application is also enclosed.

Inclusion of the information submitted herewith is not to be construed as an admission that the information is material as that term is defined in 37 C.F.R. § 1.56(b).

In accordance with 37 C.F.R. § 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made.

This statement is being filed within three months of the filing date of the application or before the receipt of a first Office Action on the merits. Please apply any charges or credits to Deposit Account No. 06-1050.

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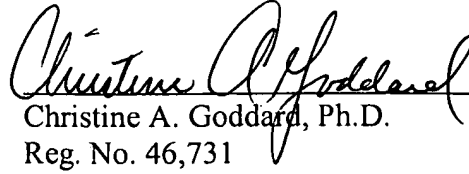
February 22, 2007  
Date of Deposit

Applicant : Graeme Semple, et al.  
Serial No. : 10/560,332  
Filed : December 9, 2005  
Page : 2 of 2

Attorney's Docket No.: 20750-041US1 / 059.US2.PCT

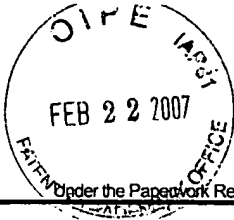
Respectfully submitted,

Date: February 22, 2007

  
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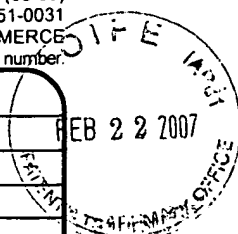


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STATEMENT BY APPLICANT**

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Sheet 1 of 15

**Complete if Known**

Application Number	10/560,332
Filing Date	09/08/2006
First Named Inventor	Graeme Semple
Art Unit	1614
Examiner Name	Unknown
Attorney Docket Number	59.US2.PCT

**U.S. PATENT DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Document Number	Publication/Issue Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)			
	AA	US-2005/0143443 A1	06-30-2005	Fang <i>et al.</i> ,	
	AB	US-2004/0220186 A1	11-04-2004	Bell <i>et al.</i> ,	
	AC	US-2002/0103215 A1	08-01-2002	Gurram <i>et al.</i> ,	
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	AJ	US-3,637,714	01-25-1972	Carlsson <i>et al.</i> ,	
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	AL	US-2005/182108	08-18-2005	Carson <i>et al.</i> ,	
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**FOREIGN PATENT DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date/Filing Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)				
	AN	WO 2004/085401 A1	10-07-2004	Pfizer		
	AO	WO 2004/078732 A1	09-16-2004	Aventis Pharma S.A.		
	AP	WO 2004/026829 A2	04-01-2004	Boehringer Ingelheim Pharma GMBH & CO. KG		
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	AW	WO 98/49166 A1	11-05-1998	Pfizer		
	AX	WO 97/29748 A1	08-21-97	Bristol-Myers Squibb Company		

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Sheet 2 of 15

**Complete if Known**

Application Number 10/560,332

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First Named Inventor Graeme Semple

Art Unit 1614

Examiner Name Unknown

Attorney Docket Number 59.US2.PCT

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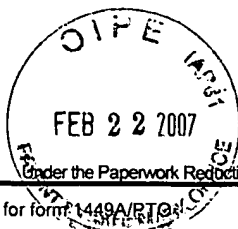
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	AY	WO 02/50091 A1	06-27-2002	Glaxo Group Limited		
	AZ	WO 02/10171 A1	02-07-2002	Pfizer		
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	BQ	EP 0463756 B1	06-07-1991	Pfizer		
	BR	EP 0459887 A1	05-28-1991	Novapharme		
	BS	EP 0442430 B1	02-11-1991	Lonza AG		
	BT	EP 0029364 A1	11-14-1980	Morishita Pharma Co. LTD.		

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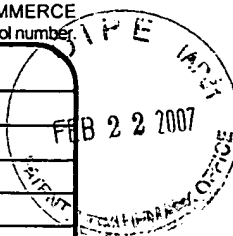
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Sheet 3 of 15

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Filing Date	09/08/2006
First Named Inventor	Graeme Semple
Art Unit	1614
Examiner Name	Unknown
Attorney Docket Number	59.US2.PCT

**FOREIGN PATENT DOCUMENTS**

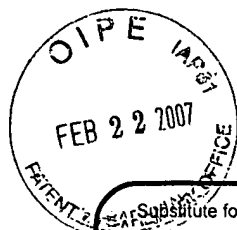
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		Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)				
	BU	EP 0029363 A1	11-14-1980	Morishita Pharma Co. LTD.		
	BV	DE 2604560 A1	08-11-1977	Boehringer Mannheim GmbH		
	BW	DE 2559655 A1	06-02-1977	Fa. Johann A. Wulfig		
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	BZ	GB 1048104	11-09-1966	The Upjohn Company		
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	CC	WO2005/009965	02-03-2005	Pfizer Ltd.		
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	CJ	DE 2454137 A1	05-20-1976	Fa. Johann A. Wulfig		
	CK	WO03/000659	01-03-2003	Nissan Chemical Industries		
	CL	WO02/22601	03-21-2002	Vertex Pharmaceuticals, Inc.		
	CM	WO00/69849	11-23-2000	Ortho-McNeil Pharmaceutical, Inc.		
	CN	WO03/099793	12-04-2003	Takeda Chemical Industries, Ltd.		
	CO	WO2004/033431	04-22-2004	Arena Pharmaceuticals, Inc.		
	CP	HU184940B	11-28-1984	Gyogyszerkutato Intezet		

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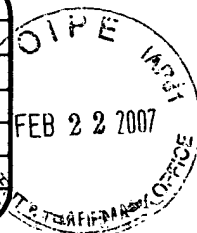
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		Application Number	10/560,332		
		Filing Date	09/08/2006		
		First Named Inventor	Graeme Semple		
		Art Unit	1614		
		Examiner Name	Unknown		
Sheet	4	of	15	Attorney Docket Number	59.US2.PCT



NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	CQ	HANING <i>et al.</i> , "Comparision of Different heterocyclic scaffolds as substrate analog PDE5 inhibitors," <i>Bioorganic &amp; Medicinal Chemistry Letters</i> , (2005), 15(17), 3900-3907	
	CR	WIERZCHOWSKI <i>et al.</i> , "Analogues of Formycins A and B: Sythesis and Some Properties of Methyl Derivatives of 7-Amino and 7-Keto Pyrazolo (4,3-d) Pyrimidines," <i>Acta Biochimica Polonica</i> , (1980), 27(1), 35-56	
	CS	WIPF <i>et al.</i> , "Metathesis Reactions of Pyrazolotriazinones Generate Dynamic Combinatorial Libraries," <i>Organic Letters</i> , (2005), 7(20), 4483-4486	
	CT	SIMENEL, "Erratum to 'Synthesis and enantiomeric resolution of ferrocenyl(alkyl)azoles'," <i>Journal of Organometallic Chemistry</i> , (2004), 689(3), 702	
	CU	WISE <i>et al.</i> , "Molecular Identification of High and Low Affinity Receptors for Nicotinic Acid," <i>Journal of Biological Chemistry</i> , (2003), 278(11), 9869-9874	
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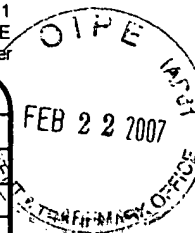
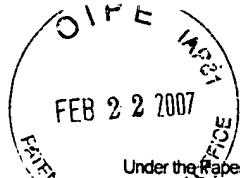
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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 5 of 15

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Art Unit	1614
Examiner Name	Unknown
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	DE	GRIMMETT <i>et al.</i> , "The N-Alkylation and N-Arylation of Unsymmetrical Pyrazoles," <i>Australian Journal of Chemistry</i> , (1979), 32(10), 2203-13	
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	DN	CARLSON <i>et al.</i> , "Potential Hypolipidemic Agents," <i>Acta Pharmaceutica Suecica</i> , (1972), 9(4), 289-304	
	DO	KRANZ <i>et al.</i> , "Pyrazolo (1,5-c)pyrimidin - ein neues heterocyclisches System," <i>Chemische Berichte</i> , (1972), 105(2), 388-405	
	DP	BIZZI <i>et al.</i> , "Some Aspects of the Effect of Nicotine on Plasma FFA and Tissue Triglycerides," <i>Pharmacology</i> , (1972), 7(4), 216-24	
	DQ	GARATTINI <i>et al.</i> , "Drugs Affecting Lipolysis," <i>Naunyn-Schmiedeberg's Archiv fuer Pharmakologie</i> , (1971), 269(2-4), 372-9	
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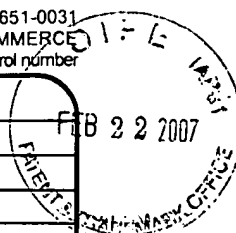
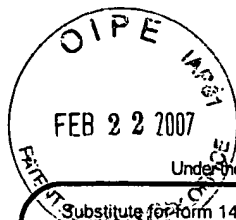
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**INFORMATION DISCLOSURE  
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Sheet 6 of 15

**Complete if Known**

Application Number	10/560,332
Filing Date	09/08/2006
First Named Inventor	Graeme Semple
Art Unit	1614
Examiner Name	Unknown
Attorney Docket Number	59.US2.PCT

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	DS	FROESCH <i>et al.</i> , "Effects of nicotinic acid and structurally related drugs on adipose tissue in vitro and on carbohydrate and lipid metabolism of normal and diabetic rats in vivo," <i>Metab. Eff. Nicotinic Acid Its Deriv., Proc. Workshop</i> , (1971), Meeting Date 1970, 773-94	
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	DX	CARMENA <i>et al.</i> , "Effect of 5-methylpyrazole-3-carboxylic acid on plasma free fatty acids and blood sugar in geese," <i>Biochemical Pharmacology</i> , (1970), 19(5), 1838-40	
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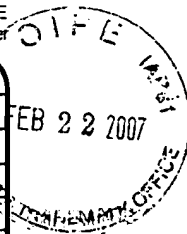
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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>		Application Number	10/560,332
		Filing Date	09/08/2006
		First Named Inventor	Graeme Semple
		Art Unit	1614
		Examiner Name	Unknown
		Attorney Docket Number	59.US2.PCT
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Sheet	7	of	15

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	EG	KUPIECKI <i>et al.</i> , "Effects of 5-Methylpyrazole-3-carboxylic acid (U-19425) and nicotinic acid on lipolysis in vitro and in vivo and on cyclic-3',5'-AMP phosphodiesterase," <i>Journal of Pharmacology and Experimental Therapeutics</i> , (1968), 160(1), 166-70	
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Sheet 8 of 15

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Application Number	10/560,332
Filing Date	09/08/2006
First Named Inventor	Graeme Semple
Art Unit	1614
Examiner Name	Unknown
Attorney Docket Number	59.US2.PCT

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	EU	VETULANI, "The metabolic activity of some isoxazole and pyrazole derivatives," <i>Dissertationes Pharmaceuticae et Pharmacologicae</i> , (1966), 18(6), 573-84	
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	EY	SMITH <i>et al.</i> , "Metabolism of 3,5-dimethylpyrazole-C <sup>14</sup> in the rat," <i>Journal of Pharmacology and Experimental Therapeutics</i> , (1965), 150(2), 316-21	
	EZ	HAMLIN <i>et al.</i> , "Relationship between in vitro dissolution rates and solubilities of numerous compounds representative of various chemical species," <i>Journal of Pharmaceutical Sciences</i> , (1965), 54(11), 1651-3	
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Sheet 9 of 15

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Application Number 10/560,332

Filing Date 09/08/2006

First Named Inventor Graeme Semple

Art Unit 1614

Examiner Name Unknown

Attorney Docket Number 59.US2.PCT

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	FI	DAL MONTE <i>et al.</i> , "Ricerche sugli eterociclici: spettri di assorbimento U.V. e proprietà cromoforiche," <i>Gazzetta Chimica Italiana</i> , (1956), 86 797-848	
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Filing Date	09/08/2006
First Named Inventor	Graeme Semple
Art Unit	1614
Examiner Name	Unknown
Attorney Docket Number	59.US2. PCT

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	FW	YAMANAKA <i>et al.</i> , "Syntheses of Heteroaromatic Carboxylic Acids Closely Related to Fusaric Acid," <i>Chemical &amp; Pharmaceutical Bulletin</i> , (1983), 31(12), 4549-53	
	FX	KESKIN, "Semikarbazid'in $\alpha,\gamma$ -diketoasitler ve bunların etil esterleri üzerine etkimesi," <i>Rev. faculte Sci. Univ. Istanbul</i> , (1944), 9A, 81-9	
	FY	HUO <i>et al.</i> , "Methyl 4-bromo-1,3-dimethylpyrazole-5-carboxylate," <i>Acta Crystallographica, Section E: Structure Reports Online</i> , (2003), E59(12), o2013-o2014	
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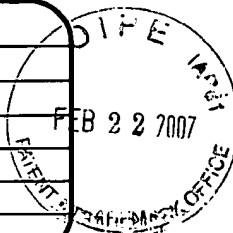
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Sheet 11 of 15

**Complete if Known**

Application Number	10/560,332
Filing Date	09/08/2006
First Named Inventor	Graeme Semple
Art Unit	1614
Examiner Name	Unknown
Attorney Docket Number	59. US2.PCT

**NON PATENT LITERATURE DOCUMENTS**

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	GM	International Search Report, WO 2005/011677, 12/10/2004	
	GN	ALTSCHUL <i>et al.</i> , Influence of nicotinic acid on serum cholesterol in man. <i>Archives of biochemistry</i> (1955), 54(2), 558-9	
	GO	TAVINTHARAN <i>et al.</i> , The benefits of niacin in atherosclerosis. <i>Current atherosclerosis reports</i> (2001), 3(1), 74-82	
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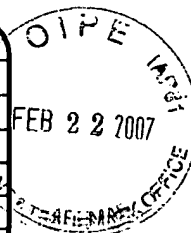
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Sheet 12 of 15

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Application Number	10/560,332
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Art Unit	1614
Examiner Name	Unknown
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	GW	JIRKOVSKY <i>et al.</i> , Hypolipidemic 4,5-dihydro-4-oxo-5,5-disubstituted-2-furancarboxylic acids. <i>Journal of Medicinal Chemistry</i> (1982), 25(10), 1154-6	
	GX	HUNNINGHAKE <i>et al.</i> , Controlled trial of acifran in type II hyperlipoproteinemia. <i>Clinical pharmacology and therapeutics</i> (1985), 38(3), 313-7	
	GY	SEKI <i>et al.</i> , Studies on hypolipidemic agents. II. Synthesis and pharmacological properties of alkylpyrazole derivatives. <i>Chemical &amp; Pharmaceutical Bulletin</i> (1984), 32(4), 1568-77	
	GZ	VAN HERK <i>et al.</i> , Pyrazole Derivatives as Partial Agonists for the Nicotinic Acid Receptor. <i>Journal of Medicinal Chemistry</i> (2003), 46(18), 3945-3951	
	HA	MAHBOUBI <i>et al.</i> , Triglyceride modulation by acifran analogs: activity towards the niacin high and low affinity G protein-coupled receptors HM74A and HM74. <i>Biochemical and Biophysical Research Communications</i> (2006), 340(2), 482-490	
	HB	FROESCH <i>et al.</i> , Effects of 5-methylpyrazole-3-carboxylic acid on adipose tissue. II. Antilipolytic and hypoglycemic effects in vivo. <i>Molecular Pharmacol.</i> (1967), 3(5), 442-52	
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	HD	Beilstein Records (BRN): 14055, Chemical Name (CN): 4-methyl-5-propionyl-1(2) <i>H</i> -pyrazole-3-carboxylic acid ethyl ester	
	HE	GERRITSEN <i>et al.</i> , Effects of 5-methylpyrazole-3-carboxylic acid, U-19425, on FFA [free fatty acid] mobilization. <i>Advan. Exp. Med. Biol.</i> (1969), 4 93-103	
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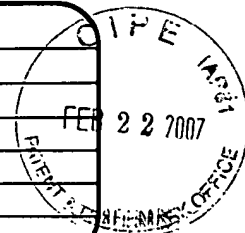
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Sheet 13 of 15

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Application Number	10/560,332
Filing Date	09/08/2006
First Named Inventor	Graeme Semple
Art Unit	1614
Examiner Name	Unknown
Attorney Docket Number	59. US2.PCT

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	HK	BIZZI <i>et al.</i> , Effects of antilipolytic agents on glucose utilization by adipose tissue. <i>Biochemical Pharmacology</i> (1973), 22(6), 763-8	
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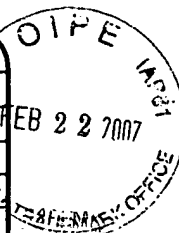
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Sheet 14 of 15

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Application Number	10/560,332
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First Named Inventor	Graeme Semple
Art Unit	1614
Examiner Name	Unknown
Attorney Docket Number	59. US2.PCT

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	HY	MISHRA <i>et al.</i> , A heteroaromatic acid from marine sponge <i>Suberites vestigium</i> . <i>Indian Journal of Chemistry, Section B: Organic Chemistry Including Medicinal Chemistry</i> (1998), 37B(2), 199-200	
	HZ	BANKS, Selectfluor reagent F-TEDA-BF <sub>4</sub> in action: tamed fluorine at your service. <i>Journal of Fluorine Chemistry</i> (1998), 87(1), 1-17	
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	IK	CABILDO <i>et al.</i> , Carbon-13 NMR chemical shifts of N-unsubstituted and N-methylpyrazole derivatives. <i>Organic Magnetic Resonance</i> (1984), 22(9), 603-7	
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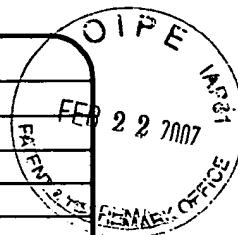
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	IM	KOJIMA <i>et al.</i> , Renal excretion of sodium 4-iodo-5-methylpyrazole-3-carboxylate-1311. <i>Radioisotopes</i> (1979), 28(5), 300-5	
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<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

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